

Abarna_day56

```
#include <stdio.h>
```

```
int gcd(int a, int b) {  
    while (b != 0) {  
        int temp = b;  
        b = a % b;  
        a = temp;  
    }  
    return a;  
}
```

```
int can_be_made_equal(int arr[], int n) {  
    int i, g = arr[0];  
    for (i = 1; i < n; i++) {  
        g = gcd(g, arr[i]);  
        if (g == 1)  
            return 0;  
    }  
    for (i = 0; i < n; i++) {  
        int temp = arr[i] / g;  
        while (temp % 2 == 0) temp /= 2;  
        while (temp % 3 == 0) temp /= 3;  
        if (temp != 1)  
            return 0;  
    }  
    return 1;  
}
```

```
int main() {  
    int n, i;  
    scanf("%d", &n);  
    int arr[n];  
    for (i = 0; i < n; i++) {  
        scanf("%d", &arr[i]);  
    }  
    if (can_be_made_equal(arr, n)) {  
        printf("Yes\n");  
    } else {  
        printf("No\n");  
    }  
    return 0;  
}
```